

INTERNATIONAL SEARCH REPORT

International application No.
PCT/SE 2004/001032

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: G01J 1/42, B60H 1/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: G01J, G01S, B60H

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6084228 A (J.W.HILL ET AL), 4 July 2000 (04.07.2000), column 1, line 10 - line 48, figures 2,3, abstract --	1-20
Y	US 4804832 A (L.V.GARDNER), 14 February 1989 (14.02.1989), column 4, line 20 - line 31, figure 5 --	1-2,4-8,12, 14,15,19,20
Y	EP 0625692 A1 (NIPPONDENSO CO.,LTD.), 23 November 1994 (23.11.1994), page 16, line 37 - line 39, figure 58 --	3,9,10,11, 12,13,16

☒ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

22 Sept 2004

Date of mailing of the international search report

28-09-2004

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PCT/SE 2004/001032

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5670774 A (J.W.HILL), 23 Sept 1997 (23.09.1997), column 5, line 39 - line 50, abstract	17,18
A	--	1-16,19-20
A	DE 3144823 A1 (E.S.GMBH OPTIK ELEKTRONIK), 26 May 1983 (26.05.1983), figure 7	1-20
A	--	
A	WO 9924951 A1 (CONTROL DEVICES,INC.), 20 May 1999 (20.05.1999), page 6, line 20 - line 24, abstract	1-20
A	--	
A	US 6396040 B1 (J.W.HILL), 28 May 2002 (28.05.2002), abstract	1-20
A	--	
A	US 3293440 A (R.K.MUELLER), 20 December 1966 (20.12.1966), figures 1,3	1-20
A	--	
A	US 5264691 A (HEGYI), 23 November 1993 (23.11.1993), column 3, line 12 - line 22; column 5, line 9 - line 22	1-20
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